



Zonal Agri-News

(Quarterly Newsletter from ICAR-ATARI, Jabalpur)

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Zonal Workshop of KVKs under Zone IX at Burhanpur, M.P.

24th Zonal Workshop of KVKs of Zone IX comprising of Madhya Pradesh, Chhattisgarh and Odisha was held at Krishi Vigyan Kendra, Burhanpur, Madhya Pradesh on November 24-26, 2017. Dr. Trilochan Mohapatra, Hon'ble Secretary (DARE) & DG ICAR was the Chief Guest at the Valedictory Session of the workshop on 26th November 2017. Chief Guest Smt. Archana Chitnis, Hon'ble Minister for Women and Child Development, Govt. of Madhya Pradesh inaugurated the workshop and exhibition of KVKs laid out on this occasion. Dr. A. K. Singh, DDG (Agril. Extension) was the Guest of Honour. Dr V. P Chahal ADG, (Extension) and Dr. S. K. Rao, Vice Chancellor, RVSKVV, Gwalior, Dr Anupam Mishra, Director ICAR-ATARI, Jabalpur were also present on this occasion. Dr. Trilochan Mohapatra interacted with the 25 progressive farmers who have

doubled their income. In his address, Dr. Mohapatra stated that success models of the farmers need to be validated, scientifically documented after economic analysis and to be replicated in the other states having similar farming situation. Thirteen progressive farmers who have doubled their income also presented their successful models during the workshop. Representatives from eight ICAR Institutes namely ICAR-IISR Indore, IISS Bhopal, CIAE Bhopal, DWR Jabalpur, IISWR-RC, Datia, NIBSM Raipur, NRC on Banana, Trichy, IIOR, Hyderabad also participated in the workshop. A total of about 300 participants including heads of KVKs, Scientists from KVKs in three states Madhya Pradesh, Chhattisgarh and Odisha participated in this Zonal Workshop.



Inauguration of the workshop by Chief Guest and dignitaries



Address by Smt. Archana Chitnis, Hon'ble Minister for WCD, MP Govt



Address by Dr. Trilochan Mohapatra, Hon'ble Secretary (DARE) & DG ICAR



Address by Dr. A. K. Singh, DDG (Agril Extension)



Dignitaries visiting the exhibition stalls



Participants in the workshop

World Soil Health Day Celebration in ICAR-ATARI, Zone IX

World Soil Health Day 2017 was celebrated on December 5, 2017 in 69 KVKs of Zone IX in Madhya Pradesh, and Chhattisgarh. Hon'ble Union Minister Dr. Virendra Kumar, Minister of State for Women & Child Development, Govt. of India was the Chief Guest in World Soil Day programme at KVK Tikamgarh.

The World Soil Health Day programme was attended as Chief Guest by nine Hon'ble Member of Parliament, 28 MLAs, 82 Zila Panchayat Chairman and other dignitaries. Four State Ministers, Shri Jaibhan Singh Pawaiya, Minister of Higher Education, Govt. of Madhya Pradesh attended at KVK Ashoknagar; Smt. Ramshila Sahu, Minister of Women and Child

Development and Shri Labhchand Bafna, Minister for Home Affair, Health and Labour, Govt. of Chhattisgarh attended at KVK Durg; Sh. Brijmohan Agrawal, Minister of Agriculture, Animal Husbandry, Fish Rearing and Water Resources, Govt. of Chhattisgarh attended at KVK Raipur,

Exhibitions were organized by KVKs on this occasion including distribution of soil health card, displaying seeds, planting materials and various soil health conservation technologies, etc. KVKs received support from other line departments of State governments in organizing of World Soil Health Day Programme.



Dr Virendra Kumar, Hon'ble Union Minister of State for Women and Child Development at KVK Tikamgarh



Shri Jaibhan Singh Pawaiya Hon'ble Minister for Higher Education at KVK Ashoknagar



Shri Brajmohan Agrawal, Hon'ble Minister of Agriculture CG Govt. at KVK Raipur



Smt. Ramshila Sahu, Hon'ble Minister for Women & Child Development, Chhattisgarh at KVK Durg

State-wise Summary Report of World Soil Health Day

State	Number of KVKs Organised the programme	No. of Union Ministers	No. of Hon'ble MPs (Loksabha/Rajyasabha)	No. of State Govt. Ministers participated	No. of MLAs	No. of Chairman Zila Panchayat	No. of Distt. Collector/ DM	No. of Bank Officials	No. of Govt. Officials, PRI members etc.	No. of farmer	Total No. of Participants	No. of Soil Health Cards distributed
Madhya Pradesh	45	1	7	1	9	37	8	62	1261	20091	22169	17988
Chhattisgarh	24	0	2	3	19	45	11	46	747	15301	46414	13309
Total	69	1	09	04	28	82	19	108	2008	35392	68583	31297

National Mahila Kisan Diwas

National Mahila Kisan Diwas was organized on 15th October, 2017. A total of 59 KVKs conducted programme and 03 MLA attended programme. Several competitions viz. Essay, Drawing and Debate competition with RAWE students on the theme of role of women in agriculture, women empowerment and nutrition and income generation. During the programme, women farmers, those are doing excellent work in agriculture were felicitated. The main emphasis was given to promote and ensure that women become part of sustainable, integrated,

social and conventional agriculture. Also get the maximum benefits from governmental schemes, self-reliant and contribute to agricultural productivity as well as double the income of their families by utilization of every single area of their farming. At the end of the programme, certificates were distributed to all the participants who participated in the above-mentioned competitions. In the programme total 3607 women farmers and students were present and 14 programmes was coverage by the media channels.

Summary Report of National Mahila Kisan Diwas

State	No. of KVKs Conducted Programme	No. of participants	Coverage by other channels (Number)
Madhya Pradesh	39	2172	7
Chhattisgarh	20	1435	7
Total	59	3607	14



Smt. Devati Karma, MLA-Dantewada, CG



Shri Arun Bhimawat, MLA-Shajapur, M.P.



Programme at KVK Sidhi, M.P.

Review Workshop of NICRA KVKs

The Review Workshop of National Innovation on Climate Resilient Agriculture (NICRA) was held at ICAR –ATARI, Zone IX, Jabalpur during 13-14 November, 2017. At present NICRA is operational in 12 KVKs including nine in M.P. and three in Chhattisgarh. The workshop was chaired by Dr Anupam Mishra Director, ICAR-ATARI, Zone-IX in presence of Dr. S.R.K. Singh Principal Scientist and all the Principal Investigators of NICRA implementing KVKs. Welcome address was given by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI, Zone IX, Jabalpur.

Dr. S.R.K. Singh during the welcome address presented a brief account of expectation from the NICRA KVKs in implementing the project. Dr.

Singh showed his great concern about the timely submission of technical reports and SOE/UC/AUC from all the KVKs. He emphasized to take up best-bet interventions and model which have direct bearing with the climate resilience among the farming community of the NICRA villages.

Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his inaugural speech mentioned that NICRA KVKs should review the climatic situation of their districts and implement the best technology being selected from NICRA villages. The technological interventions found best in NICRA villages should be recommended to the other areas of the districts so that the farmers of the NICRA districts can take

advantages of the climate resilience activities conducted under NICRA project

All KVKs presented on best technology and the salient achievements of NICRA-KVKs during 2016-17 and in the technical session all the PIs of the KVKs

have presented one by one their salient achievements during 2016-17.

The workshop ends with Vote of Thanks proposed by Dr. S.R.K.Singh, Principal Scientist.



Dr. Anupam Mishra, Director, ATARI, Jabalpur review the progress



Dr. S.R.K.Singh, PS and Dr. U.P.S.Bhaduaria, JDE interacting with participants

Review Workshop of Farmer FIRST Programme

The Review Workshop of Farmer FIRST Programme (FFP) was held at ICAR -ATARI ZONE IX, Jabalpur on 14 November, 2017. The workshop was chaired by Dr Anupam Mishra Director, ICAR-ATARI, Zone-IX in presence of Dr. S.R.K. Singh Principal Scientist and all the Principal Investigators of the Farmer FIRST Project of ATARI, Zone IX. The workshop started with welcome address by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI Zone IX, Jabalpur during which he expressed expectation from the Farmer FIRST Projects for the farming community.

Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his inaugural speech mentioned that

the Farmer FIRST Project should meet the expectation of the farmers in catering their needs. Besides the technological interventions must play important role in enhancing farmer's income through proper guidance in marketing aspect also.

All PIs made presentation on various modules viz., Horticulture based module, Livestock based module, Enterprise based module and NRM based activity and the salient achievements of Farmer FIRST Project during 2016-17 in the technical sessions.

The workshop ends with Vote of Thanks proposed by Dr. S.R.K.Singh.



Dr. Anupam Mishra, Director, ATARI, Jabalpur review the progress



Dr. S.R.K.Singh, PS and Dr. U.P.S.Bhaduaria, JDE interacting with participants

Review Workshop of Extension Experts in KVKs

The Review Workshop of Extension Experts was held at ICAR-ATARI, Zone, IX, Jabalpur during 13-14 November, 2017. An initiative was taken by the Director ATARI, Jabalpur to assign extension scientists important thematic areas in which they have to conduct the study so that the findings could be a part of the policy decision of the State Government

for the extension services being catered by them vis-à-vis some feedback could be forwarded to the research system for making the farmers' issue based research problems. The major working areas were given to the group approaches through SHG and FPOs; ICT applications as mobile messaging by KMA and whatsapp, custom hiring centres, post-harvest

management, reversion of the technology, etc. KVKs were asked to select the area of study as per the need of their districts and their expertise.

Dr Anupam Mishra Director, ICAR-ATARI, Zone-IX chaired the workshop in presence of Dr. S.R.K. Singh Principal Scientist and all the Agril. Extension experts of KVKs. The workshop started with welcome address by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI, Zone IX, Jabalpur.

Dr. S.R.K. Singh during addressing the participants presented a brief account of the broader areas in which KVKs can work and support the farmers in adoption of the best technology found by the KVKs during their assessment/demonstrations. He showed his concern about the proper understanding of the topic and following the principles of the extension education while carrying the field study on the technology and methodology.



Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his speech stressed that extension scientists should first understand the production and marketing situation prevailing in their district and then after they have to study the level of adoption, factors accelerating the adoption and appropriateness of the technology being offered to the farmers and its impact on the production and income of the farming community in their working areas. He explained that findings of such study could be the baseline for all future endeavours apropos agricultural development in the states.

All extension experts presented their salient findings during 2016-17 during various technical sessions one by one during the two days workshop. The workshop ends with Vote of Thanks proposed by Dr. A.A. Raut, Scientist, ATARI, Jabalpur.



KVK Badwani visited by Vice Chancellor, RVSKVV, Gwalior

Hon'ble Vice Chancellor Prof. S.K. Rao, RVSKVV, Gwalior visited KVK Barwani on 12 November, 2017 monitored the activities of Krishi Vigyan Kendra. He looked the Soil testing lab, Mini mrida parikshak, Vermi composting unit, Hydroponics unit of KVK. Senior Scientist & Head Dr. S.K. Badodiya presented



all the activities of KVK. He also visited KVK farm and crop cafeteria, he suggested to KVK scientists to take the different variety of Kabuli gram in cafeteria. He was very happy to see the clean campus, green campus & nice management of farm. He appreciated to the work done by KVK team.



KVK Rewa visited by Vice Chancellor, JNKVV, Jabalpur

Hon'ble Vice Chancellor JNKVV Dr. P.K. Bisen blessed KVK-Rewa (MP) with his visit on 23rd of December, 2017 where Senior Scientist and Head, KVK- Rewa (MP) Dr. A.K. Pandey apprised him with mandatory and other extension activities of the centre. Dr. Bisen was welcomed by the team of

Krishi Vigyan Kendra-Rewa warmly headed by the Head. Hon'ble Vice Chancellor appreciated the crop cafeteria, mushroom unit and polyhouse during his trans-visit along with Dean College of Agriculture, Dr. S. K. Pandey and Joint Director Extension Dr. Dinkar Sharma.



KVK Gwalior visited by Hon'ble Minister of Farmer Welfare and Agriculture Development, Govt. of M.P.

Shri Gauri Shankar Bisen, Hon'ble Minister of Farmer Welfare and Agriculture Development Department, Govt. of Madhya Pradesh visited KVK Gwalior Agro-Technology Park on 27.12.2017. During the visit Prof. S. K. Rao, Hon'ble Vice Chancellor, RVSKVV, Gwalior, Dr. B. S. Baghel, Director Research Services, Dr. R. L. Rajput, Director Instruction,

Dr. S. P. S. Tomar Dean Student Welfare, Dr. U. P. S. Bhadauria, JDE, RVSKVV Gwalior and officials from Agriculture and allied Departments were also present. Hon'ble minister appreciated the work and efforts of KVK Gwalior for enhancing farmers income. He also visited poultry unit, Solar energy pumps, Fruit orchards, located at Agro-Technology park.



Agriculture Education Day Celebrated

To commemorate the birthday of the first Agriculture Minister of India and the first President of India Dr. Rajendra Prasad, Agriculture Education Day was celebrated by KVK Rewa on 3rd of December, 2017 by organizing awareness camp for school going girls in New SC Girls Hostel, GDC Campus, where thematic drawing and Rangoli competition was also organized to motivate the girl students towards agricultural education. In drawing competition Ms. Anjali Saket secured first position followed by Ms. Pooja Prajapati who secured second position whereas Ms.

Sandhya Verma got third prize. In Rangoli competition Ms. Seema Saket secured first position followed by Ms. Pushpa Saket who secured second position whereas Ms. Viranjana Verma got the third prize.



Technology Demonstration Component under NICRA by KVKs

NICRA is operational in 12 KVKs of Zone IX.

- Under Natural Resources Management Module, a total of 421 farmers benefited covering area of the 135.4 ha area in all activities. Though total 330 demonstrations were conducted focusing on in-situ moisture conservation, Soil test based nutrient application and Pitcher irrigation, Vermi-

compost making etc.

- Under Crop Production Module, a total of 693 farmers benefited and covered 199.6 ha area focused on drought tolerant varieties, Short duration varieties, Crop diversification, Integrated crop management etc. on Wheat, Mustard, Barley and vegetable crops.

- Under Livestock and Fisheries Module, a total of 688 farmers benefited through covering 855 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 2.0 ha area were covered.
- Under Institutional Interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 673 farmers were benefitted and it covered 192.2 ha. area.
- Under Capacity Building, total 36 training courses were organized benefiting 1060 participating farmers.
- As Extension Activity, a total of 116 activities were organized benefiting 1672 farmers.



Cluster Demonstrations of Rabi Oilseed 2017-18 under NMOOP

Cluster Demonstration on Oilseeds conducted in 64 KVKs in ATARI Jabalpur in rabi 2017-18 during which 3899 demonstrations were conducted in 1713ha area. The major oilseed crops which is covered under rabi season are mustard, linseed and sesame. In Chhattisgarh, under mustard crop, 455 ha area covered with 959 demonstrations, under linseed 578 demonstration in 254 ha area, Sesame covered 85 ha area with 158 demonstration and in Groundnut 100ha

area covered with 209 demonstrations. In Madhya Pradesh, 635 ha area with 1882 demonstration covered under Mustard, where as 370 ha area with 880 demonstration covered in linseed crop. All the demonstrations done based on GPS based farmer selection, soil test based fertilizer application, IPM and IDM. Major sowing methods adopted are Line sowing, suitable dose of fertilizers.



Cluster Demonstrations of Rabi Pulses 2017-18 under NFSM

During Rabi 2017-18 demonstrations have been conducted in area of 2145.0 ha through 4968 demonstrations. Out of these coverage area in chickpea is 1522.0 ha through 3528 demonstrations, field pea is 222.0 ha through 532 demonstrations, lentil is 311.0 ha through 728 demonstrations, Lathyrus is 40.0 ha through 100 demonstrations and pigeon pea is 50.0 ha through 80 demonstrations.

These demonstration have implemented through 59 KVKs. The major technological intervention includes seed treatment, GPS based soil testing, improved varieties, soil test based fertilizer application, pre emergence application of herbicides, improved method of sowing such as raised bed planting, ridge & furrow, line sowing with ferti-cum seed drill and SPI Method etc.



KMA Activities

Around two million farmers were covered through mobile advisories by 58 KVKs through 797 messages comprising the subjects of crop, livestock, marketing, awareness etc. in the Zone IX during the

quarter October to December, 2017. All KVKs under this institute are now using farmer portal for sending the messages.

State	No. of Calls	No. of farmers Covered	No. of Messages (Text)	Type of messages					
				Crop	Livestock	Weather	Marketing	Awareness	Other enterprise
M.P.	18147	1741350	584	336	55	46	23	83	41
C.G.	571	599478	213	140	24	7	0	32	10
Total	18718	2340828	797	476	79	53	23	115	51

DIRECTORS DESK

Dear Colleagues,

ICAR-Agricultural Technology Application Research Institute (ATARI), Jabalpur is entrusted responsibility of coordination and monitoring of technology application and frontline extension programs through Krishi Vigyan Kendras (KVKs) in Madhya Pradesh and Chhattisgarh states.

ATARI, Jabalpur organized 24th Zonal Workshop of KVKs of Zone IX comprising of Madhya Pradesh, Chhattisgarh and Odisha at KVK, Burhanpur, M.P. during November 24-26, 2017. Dr. Trilochan Mohapatra, Hon'ble Secretary (DARE) & DG ICAR blessed the programme as Chief Guest. Smt. Archana Chitnis, Hon'ble Minister for Women and Child Development, Govt. of Madhya Pradesh inaugurated the workshop in presence of Dr. A. K. Singh, DDG (Agril. Extension), Dr V. P Chahal, ADG, (Extension), Dr. S. K. Rao, Vice Chancellor, RVSKVV, Gwalior. A total of 300 participants including heads of KVKs, Scientists from KVKs in three states Madhya Pradesh, Chhattisgarh and Odisha along with representatives from eight ICAR Institutes namely IISR Indore, IISS, Bhopal, CIAE, Bhopal, DWR, Jabalpur, IIWSR-RC, Datia, NIBSM, Raipur, NRC on Banana, Trichy and IIOR, Hyderabad glorified the workshop. An Agri-exhibiton was also laid out for the farmers and participants for exchange of the technological information along with seeds and other planting materials.

World Soil Health Day 2017 was celebrated on December 5, 2017 in 69 KVKs of Zone IX in Madhya Pradesh, and Chhattisgarh. Hon'ble Union Minister Dr. Virendra Kumar, Minister of State for Women & Child Development, Govt. of India was the Chief Guest in World Soil Day programme at KVK Tikamgarh. The programme was attended as Chief Guest by nine Hon'ble Member of Parliament, 28 MLAs, 82 Zila Panchayat Chairman and other dignitaries.

National Mahila Kisan Diwas was organized on 15th October, 2017 by 59 KVKs and the programme was attended by three MLAs. ATARI, Jabalpur organizes Review Workshop of NICRA, Farmer FIRST and Extension Experts during Nov. 13-14, 2017.

Besides, ATARI is coordinating various programmes like National Initiative on Fodder Technology Demonstration, Technological Demonstration for Harnessing Pulse Productivity, Tribal Sub Plan, and National Innovation on Climate Resilient Agriculture are running in selected KVKs. Under NICRA project, various climate resilient activities under the modules of Natural resources management, Crop production, Livestock and Fisheries, Institutional Interventions, Capacity building and Extension activities are being carried out in 12 KVKs. TSP is operational in 14 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh.

I sincerely thank the editorial team for their efforts in bringing out this issue of Newsletter. My words of appreciation for Programme Coordinators and staff of KVKs in Zone VII for their tremendous efforts and initiatives taken for better performance and serving farming community efficiently through KVKs activities in their working areas.



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